BRUHATH BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division

Name Of work : -Construction of CC Drains and Roads in 2nd main and 3rd main and Surrounding roads of RK Hegdenagar, Dasarahalli Village, Rchenahalli Village and Saripalya Village in Ward No.6.

TOTAL ABSTRACT

.	Description of Item	Unit	Total Quantity	Rate In Rs	Amount in Rs
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	1793.32	116.84	209532.00
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means.	Cum	5786.52	287.02	1660847.00
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.	Sqm	1418.84	778.95	1105205.00
4	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	1172.75	5691.91	6675163.00

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Contractor

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5	Providing and laying plain/reinforced cement concrete for side drains using M30 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) wall & bottom thickness 15cm.	Cum	521.85	7423.30	3873337.00
6	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500.	Tn	39.19	77677.05	3044164.00
7	Providing and constructing load bearing wall with having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials labour charegs, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 .-do- solid concrete blocks of size 400x150x200 mm.	Sqm	2133.32	1060.49	2262365.00
8	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate).	Sqm	4406.16	2453.38	10809985.00

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Proprietor

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9	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate).	Sqm	223.35	5687.82	1270375.00
10	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications	Cum	211.89	6033.54	1278447.00
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.	Nos	9295.00	454.02	4220116.00
12	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specification.	Sqm	1673.20	41.17	68886.00
13	Providing and applying spray painting in one coat (excluding priming coat) over concrete / masonry / asbestos cement sheet /plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm	1673.20	61.20	102400.00

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14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	515.11	2094.27	1078790.00
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead	Cum	768.86	5470.47	4206004.00
			Total Amount		4,18,65,606.00
			12% GST		50,23,872.72
			Grand Total		4,68,89,478.72

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Project Division

Assistanat Executive Engineer

QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

Name of Work: Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.

Name of Agency :- Sri. P Hemanth (SOORYA CREATERS)

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sampl Conducted fo Test
	For Drain work								
	Plane Cement Concrete -								
1	**Cement Test**								
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source	460.30	Cum			
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
2	**Fine Aggregate**					-	-	3	3
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	3	3
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	3	3
3	**Coarse Aggregate**								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	3	3
	M15 Concrete -								
1	**Cement Test**				10.70	Cum			
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1

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		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1
	M20 Concrete -				198.00	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	2	2
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	2	2
3	Coarse Aggregate								

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		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	2	2
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	2	2
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	2	2
4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				3	3
	For Road Work								
1	Granular Sub-Base (GSB)								
		Gradation	m^3	400.00	187.06	-	-	1	1
		Density of Compacted Layer	m^2	1000.00	187.06	935.30	-	1	1
3	M30 Concrete								
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	3	3
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	3	3
3	Coarse Aggregate								

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		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	3	3
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	3	3
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	3	3
	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3	364.00	Cum		5	5
	Precast Items								
1	100mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	481.50	-	-	1	1
2	Kerbs (pre Cast Kerbs)								
		Core Strength on Harden Concrete (IS 516)	No's	Per Batch	1189.00	-	-	1	1

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QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

Name of Work: Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.

Name of Agency :- Sri. P Hemanth (SOORYA CREATERS)

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sample Conducted for Test
	For Drain work								
	Plane Cement Concrete -				79.76	Cum			
1	Cement Test								
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	1	1
	M15 Concrete -				108.02	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1

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		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1
	M20 Concrete -								
1	Cement Test				46.37	Cum			
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								

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		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1
4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				1	1
	Precast Items								
1	Load Bearing Solid Block								
		Compression Strength Test (IS 2185, Part 1: 2005)	sqm	Per Batch	1296.08	-	-	4	4
2	100mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	1840.86	-	-	4	4
3	250mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	90.00	-	-	1	1
4	Kerbs (pre Cast Kerbs)								
		Core Strength on Harden Concrete (IS 516)	No's	Per Batch	4740.00	-	-	4	4

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QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

Name of Work: Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06.

Name of Agency :- Sri. P Hemanth (SOORYA CREATERS)

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sample Conducted for Test
	For Drain work								
	Plane Cement Concrete -				87.68	Cum			
1	Cement Test								
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
2	Fine Aggregate								
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	2	2
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	2	2
3	Coarse Aggregate								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	2	2
	M15 Concrete -				32.87	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1

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Yelahanka Zone
BBMP, Bangalore - 92

		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1
	For Road Work								
1	Load Bearing Solid Block								
		Compression Strength Test (IS 2185, Part 1: 2005)	sqm	Per Batch	205.52	-	-	1	1
2	Granular Sub-Base (GSB)								
		Gradation	m^3	400.00	52.80	-	-	1	1
		Density of Compacted Layer	m^2	1000.00	52.80	264.00	-	1	1
	Precast Items								
3	100mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	263.79	-	-	1	1
4	Kerbs (pre Cast Kerbs)								
		Core Strength on Harden Concrete (IS 516)	No's	Per Batch	911.00	-	-	1	1

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Asst. Executive Engineer
Project Division
Yelahanka Zone

QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

Name of Work: Construction of CC Drains and Roads in Rachenhalli Village ward 06.

Name of Agency :- Sri. P Hemanth (SOORYA CREATERS)

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sample Conducted for Test
	For Drain work								
	Plane Cement Concrete -				96.50	Cum			
1	Cement Test								
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
2	Fine Aggregate								
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	2	2
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	2	2
3	Coarse Aggregate								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	2	2
	M15 Concrete -				69.01	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1

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Yelahanka Zone

		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1
	M20 Concrete -								
1	Cement Test				198.93	Cum			
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	4	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	4	4
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	4	4
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	4	4
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	4	4
3	Coarse Aggregate								

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Yelahanka Zone

		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	4	4
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	4	4
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	4	4
4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				4	4
	Precast Items								
1	Load Bearing Solid Block								
		Compression Strength Test (IS 2185, Part 1: 2005)	sqm	Per Batch	494.40	-	-	3	3
2	100mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	1195.86	-	-	2	2
3	250mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	115.50	-	-	1	1
4	Kerbs (pre Cast Kerbs)								
		Core Strength on Harden Concrete (IS 516)	No's	Per Batch	3548.00	-	-	3	3

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

Name of Work: Construction of CC Drains and Roads in Saripalya Village in Ward No.6.

Name of Agency :- Sri. P Hemanth (SOORYA CREATERS)

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sample Conducted for Test
	For Drain work								
	Plane Cement Concrete -				454.51	Cum			
1	Cement Test								
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	3	3
2	Fine Aggregate								
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	1	3
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	3	3
3	Coarse Aggregate								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	3	3
	M15 Concrete -				12.83	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1

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Project Division
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		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1
	M20 Concrete -								
1	Cement Test				104.60	Cum			
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	2	2
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	2	2
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	2	2
3	Coarse Aggregate								

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		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	4	4
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	3	3
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	4	3
	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3	404.86	Cum		5	5
	Precast Items								
1	Load Bearing Solid Block	Compression Strength Test (IS 2185, Part 1: 2005)	sqm	Per Batch	143.04	-	-	1	1
2	100mm Thick Pre-Cast Slabs	Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	630.24	-	-	1	1
3	250mm Thick Pre-Cast Slabs	Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	82.56	-	-	1	1
4	Kerbs (pre Cast Kerbs)	Core Strength on Harden Concrete (IS 516)	No's	Per Batch	303.00	-	-	1	1

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		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	2	2
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	2	2
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	2	2
4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				2	2
	For Road Work								
1	Granular Sub-Base (GSB)								
		Gradation	m^3	400.00	275.25	-	-	1	1
		Density of Compacted Layer	m^2	1000.00	275.25	1376.25	-	1	1
3	M30 Concrete								
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	4	4
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	4	4
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	4	4
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	4	4
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	3	3
3	Coarse Aggregate								

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